

Title (en)

MEASUREMENT OF TRANSCEIVER PERFORMANCE PARAMETERS IN A RADAR SYSTEM

Title (de)

MESSUNG DER LEISTUNGSPARAMETER EINES SENDER-EMPFÄNGERS IN EINEM RADARSYSTEM

Title (fr)

MESURE DE PARAMÈTRES DE PERFORMANCE D'ÉMETTEUR-RÉCEPTEUR DANS UN SYSTÈME RADAR

Publication

EP 3356849 A4 20181010 (EN)

Application

EP 16852755 A 20160930

Priority

- US 201514870129 A 20150930
- US 2016054921 W 20160930

Abstract (en)

[origin: US2017090014A1] Methods for monitoring of performance parameters of one or more receive channels and/or one or more transmit channels of a radar system-on-a-chip (SOC) are provided. The radar SOC may include a loopback path coupling at least one transmit channel to at least one receive channel to provide a test signal from the at least one transmit channel to the at least one receive channel when the radar SOC is operated in test mode. In some embodiments, the loopback path includes a combiner coupled to each of one or more transmit channels, a splitter coupled to each of one or more receive channels, and a single wire coupling an output of the combiner to an input of the splitter.

IPC 8 full level

G01S 13/32 (2006.01); **G01S 7/03** (2006.01); **G01S 7/35** (2006.01); **G01S 7/40** (2006.01); **G01S 13/02** (2006.01); **G01S 13/931** (2020.01)

CPC (source: CN EP US)

G01S 7/032 (2013.01 - EP US); **G01S 7/35** (2013.01 - EP US); **G01S 7/4004** (2013.01 - EP US); **G01S 7/4008** (2013.01 - CN); **G01S 7/4021** (2013.01 - CN EP); **G01S 7/4052** (2013.01 - EP US); **G01S 7/4056** (2013.01 - EP US); **G01S 7/4065** (2021.05 - EP); **G01S 7/4069** (2021.05 - EP); **G01S 13/931** (2013.01 - EP US); **G01S 7/4065** (2021.05 - US); **G01S 7/4069** (2021.05 - US); **G01S 13/0209** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 10234542 B2 20190319; US 2017090014 A1 20170330; CN 107923973 A 20180417; CN 107923973 B 20220408; CN 114660557 A 20220624; EP 3356849 A1 20180808; EP 3356849 A4 20181010; EP 3356849 B1 20191127; JP 2018529967 A 20181011; JP 2021021742 A 20210218; JP 2023085461 A 20230620; JP 6974813 B2 20211201; JP 7275421 B2 20230518; US 10598767 B2 20200324; US 11231484 B2 20220125; US 2019154797 A1 20190523; US 2020209353 A1 20200702; WO 2017059317 A1 20170406

DOCDB simple family (application)

US 201514870129 A 20150930; CN 201680046131 A 20160930; CN 202210276030 A 20160930; EP 16852755 A 20160930; JP 2018516665 A 20160930; JP 2020178515 A 20201026; JP 2023061397 A 20230405; US 2016054921 W 20160930; US 201916253790 A 20190122; US 202016816588 A 20200312